

ABSTRACT OF THE DISCLOSURE

A gas detection device includes a light source, a light sensor element, and a shield plate arranged in a single package. The shield plate protects the light sensor element from light beams that travel from the light source directly to the light sensor element. The gas detection device further includes a reflector plate arranged so that light beams emitted from the light source are reflected off the reflector plate and travel to the light sensor element. The light sensor element detects a degree of light absorption by gas provided in a space between the reflector plate, the light source, and the light sensor element.